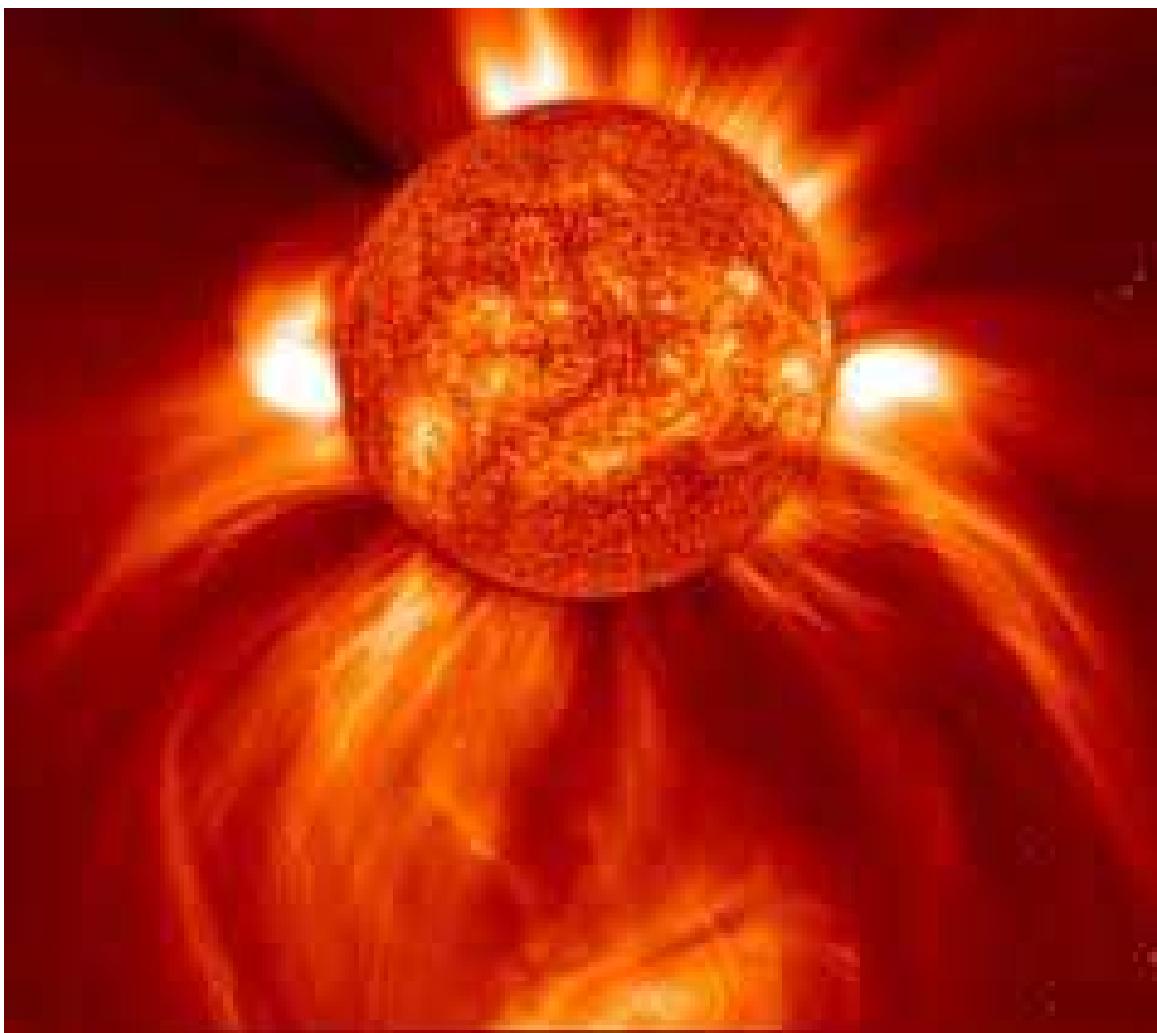




VOLUME 62 ISSUE 2

ARRL AFFILIATED-SPECIAL SERVICE CLUB

February 2012



Solar Storm 2012

February Ham Breakfast

LOCATION

Schnitzel Fritz, **4037 Tutt Boulevard**

Saturday, 4 February 2012

Time is from 8:00-9:30 AM

All are warmly invited to come on down and join us!

February Club Meeting

Location: IHop on North Academy Blvd on the corner of Hwy 83/Voyager Pkwy. 8065 N. Academy Blvd. Wednesday February 8th 2012, 7pm.

PPRAA Club Officers

President	Mike Derbort	KCØELG
Vice President	Dan Scott	WØRO
Secretary	Diana Nordstrom	KCØNPP
Treasurer	Pam Scott	WØPRS
Board	Tom Brereton	WØTOM
Board	John Wishart	KCØJFH
Board	Doug Nielsen	N7LEM
Board	Jim Bishop	KDØKQL
Board	Virgil Yost	NØXRS
Board	Kerrianne Dixon	KDØIPR
Ø-Beat Editor	Mike Anderson	WV7T

All officers can be contacted at:

boardmembers@ppraa.org

PPRAA January Board Meeting Minutes

9 January 2012

Call to Order – Members present were Diana Nordstrom, John Wishart, Dan Scott, Pam Scott, Mike Derbort, Kerrianne Dixon, Gordon Dixon (as a guest), Doug Nielsen, Virgil Yost, and Jim Bishop attended. Meeting was called to order at 7:05 pm.

Approval of the December board meeting minutes – Dan WØRØ moved to approve, John KCØJFH seconded. Minutes were approved.

Committee Reports

- Treasurer's report - \$9260.96
 - Last Year Financials – Club was \$548.47 in the black, compared to 2010 but this was counting the scholarship fund
 - 2012 Budget – Adjusted: Table Rentals to \$1500, Raffle Ticket Sales to \$3500, Education Expense to \$400 to cover for Tech Fest, Postage and Mailing Service Expense to \$1000, Rental Space Expense to \$1000, and added Station Expense for \$2500. Dan WØRØ moved to approve the budget with revisions, Doug N7LEM seconded. The Board approved the new budget with Revisions.
- Building committee
 - Shed - Coordination for moving the shed will be worked out starting this month and into February
 - Station Building – Looking for a 5th wheeler
- Electronic Media
 - Domain name and web hosting has been renewed till 2015. Total cost was \$168.56.
 - Discussions on linking the new site to a membership database.
 - Megafest table rentals online –

- looking into how to do this
 - PPRAA is now listed as a Google for Non-Profits.
- Scholarship Fund – Letter should be mailed out by the end of February. Suggestions were made for a donation jar to be set up for meetings and hamfests the club attends.
- COQP - 1st of Sept this year. Doug N7LEM requested supplies not to exceed \$60. Club will sponsor any categories that are not picked up by other sponsors, but should it sponsor one anyway?
- Public Affairs – ARES: 8 scheduled exercises coming up, need volunteers.

New Business

- 2012 Goals and Objectives
 - New Website with Members only area and integration between Forums site and calendar
 - Membership

○ 84 current active members – 2012 goal 150.
 - Club Station – Online and available
 - Ø-beat – At least one technical article per month
 - Scholarship fund
 - New Holiday Party location
- Tech Fest – 4 1-hour sessions, 9am – 2pm on April 28th with 1 hour for lunch. ~\$5/head to cover coffee/tea costs. Consider Broadway Deli? Seek Club members to consider leading classes.
- Club Station: Land Use Agreement, any final issues before I send to owners. - None, agreement to be sent this evening
- Building: Building on North Prospect

- Megafest 2012: Financial goal - \$2500 profit. - Tickets are ready and ARRL sanctioned with Rocky Mountain Division support. First committee meeting to be before the February General Meeting.

Special Events

- Events for the coming year? (Camping trip? Alaska trip?) - present ideas next meeting

Unfinished Business

- **HAM Breakfast? Do we have conflicts?** Schnitzel Fritz, 4037 Tutt Boulevard, Saturday, 4 February 2012 - None
- **Club station** – Update? – Member donation of up to \$2000 for storage shed?
- **Club Repeater** – Jim bishop is holding this.
- **Club Tower** – Need a team to help take down the tower. When can we schedule this?

Around the table:

- Jim KDØKQL – Attended Extra licensing classes provided by Mike WV7T, felt it was well worth it
- Kerrianne KDØIPR – Remove “dead” links on the website
- Pam WØPRS – YL has a new website
- Dan WØRO – By-law review delayed. Consider recording presentations or making the power points available online to members only

Adjourn – Pam W ØPRS moves to adjourn, Kerrianne KDØIPR seconds. Meeting ended 8:50 pm.

NEXT BOARD MEETING: MONDAY, 9 JANUARY 2012. LOCATION: DANIELS TACO SHOP.

Will You Teach?

Mike Anderson, WV7T

I have seen an increase in the number of folks wanting to get or advance their amateur license over the past year. With 3 students on Monday night for the Technician, 3 for General and 3 for Extra on

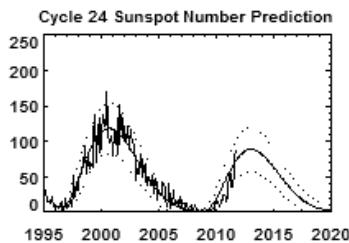
Sunday afternoons, I see the demand for instructors is increasing. We all having passed our exams are fully qualified to share what we have learned and our experiences which adds to the knowledge. In PPRAA, education is one of our primary goals. It is easy to teach and the rewards are great. I would like to find a few volunteers who would like to teach a class and meet with them to discuss running a class and what class they would like to teach. Amateur Radio will only grow with more licensed hams, we need to be proactive in this. Folks might only teach one class with the class just being one hour a week to get students on the way to their license. In my classes I will teach one of each license for 3 months then take the next 3 months to teach hands-on practical ham skills. Perhaps there are hams out there that could do classes while I am teaching the hands-on so no person who desires to be a ham has to wait.

If you are interested in possibly teaching a class please contact me.

For propagation

A Index, K Index, Sunspot number, and Solar Flux Index (SFI) go to this site.

<http://dx.qsl.net/propagation/>



Licensing



Mike Anderson, WV7T
wv7t@arrl.net
719-229-8610

Presently there are 3 classes in progress.

“Now I have my license...what do I do?”

After Licensing Training.

CONGRATULATIONS TO JOHN WISHART, KC0JFH, FIRST GRADUATE OF THE EXTRA CLASS COURSE. HE PASSED THE TEST ON THE FIRST TRY MISSING ONLY 1 QUESTION!

Below is a listing of instructional materials I can order at a discount. Other ARRL publications to be used for instruction may also be discounted.

Item #	Title	Retail Price	Discount Price
0977	The ARRL Ham Radio License Manual , 2nd ed. © 2010	29.95	22.47
0847	ARRL's Tech Q&A , 5th ed. © 2010	17.95	13.46
8737	The ARRL Instructor's Manual , 5th ed. © 2011	19.95	14.96
8119	General Class License Manual , 7th ed. © 2011	29.95	22.47
8089	ARRL's General Q&A , 4th ed. © 2011	17.95	13.46
8874	Extra Class License Manual , 29.95	22.47	

9th ed. © 2008			
1379	<u>ARRL's Extra Q&A</u> , 2nd ed. © 2008	17.95	13.46
9728	<u>Getting Started with Ham Radio</u> , 1st ed. © 2006	19.95	14.96
	<u>Basic Radio-Understanding</u>		
9558	<u>the Key Building Blocks</u> 1st ed. © 2005	29.95	22.46
0823	<u>Understanding Basic Electronics</u> , 2nd ed. © 2010	29.95	22.46
1155	<u>Basic Electronics Course and Kit</u>	55.00	41.25
0017	<u>Modulation and Wave Fundamentals Board</u>	69.00	51.75

Repeater returns to service

The Rocky Mountain High repeater on 449.575 minus offset and tone of 103.5 has returned to full operation. All amateurs are invited to use this repeater.

Mike NØMUD

PPRAA Apparel

Both **Silk Screen and Embroidered** (Shirts, T-Shirts, Hats, Badges, etc.), members pay for individual shirts. Embroidered - Club logo = \$7. Call sign and name ordered together = \$7, Call sign or name ordered separately = \$5 each. The number to call to order is: (719) 591-6151. Monograms by Jane.

Silkscreened - T-Shirts with a one color left chest logo only no name or call sign: Small thru Xlarge: \$8.75 ea. T-Shirts with one color logo on left and name with call sign on right side: Small thru Xlarge: \$9.60 ea. for XXlarge add \$2.00 per shirt.

POC Dick Thompson, WØRAA
719-520-0288

Ø-Beat February 1982

February 1982:

Forty members present at the January club meeting. Mark KAØJXW is putting together a club scrapbook and he can use any photos that you may have. The board will elect a new vice president since Smitty resigned, leaving Al ADØZ promoted to president. A club questionnaire was developed for the club members to make suggestions about the club. There will be a fox hunt on February 6th starting at the King's Country Restaurant. The February program will be about radio astronomy.



<http://www.wrh.noaa.gov/mtr/hamradio/>

Online Spotter course

<http://www.stormspotters.org>

February Contests

February 2012

± NCCC Sprint Ladder 0230Z-0300Z, Feb 3

± Vermont QSO Party 0000Z, Feb 4 to 2400Z, Feb 5

± YL-ISSB QSO Party, CW 0000Z, Feb 4 to 2359Z, Feb 5

± 10-10 Int. Winter Contest, SSB 0001Z, Feb 4 to 2359Z, Feb 5

⊕ Black Sea Cup International 1200Z, Feb 4 to 1159Z, Feb 5

⊕ EPC WW DX Contest 1200Z, Feb 4 to 1200Z, Feb 5

⊕ Minnesota QSO Party 1400Z-2400Z, Feb 4

⊕ AGCW Straight Key Party 1600Z-1900Z, Feb 4

⊕ Delaware QSO Party 1700Z, Feb 4 to 0100Z, Feb 6

⊕ Mexico RTTY International Contest 1800Z, Feb 4 to 1759Z, Feb

5

⊕ North American Sprint, CW 0000Z-0400Z, Feb 5

⊕ NAQCC-EU Monthly Sprint 1800Z-2000Z, Feb 8

⊕ NCCC Sprint Ladder 0230Z-0300Z, Feb 10

⊕ CQ WW RTTY WPX Contest 0000Z, Feb 11 to 2400Z, Feb 12

⊕ SARC Field Day Contest 1000Z, Feb 11 to 1000Z, Feb 12

⊕ Asia-Pacific Spring Sprint, CW 1100Z-1300Z, Feb 11

⊕ Dutch PACC Contest 1200Z, Feb 11 to 1200Z, Feb 12

⊕ New Hampshire QSO Party 1600Z, Feb 11 to 2200Z, Feb 12

⊕ FISTS Winter Sprint 1700Z-2100Z, Feb 11

⊕ North American Sprint, SSB 0000Z-0400Z, Feb 12

⊕ SKCC Weekend Sprint 0000Z-2400Z, Feb 12

⊕ Classic Exchange, Phone 1400Z, Feb 12 to 0800Z, Feb 13

⊕ ARRL School Club Roundup 1300Z, Feb 13 to 2400Z, Feb 17

⊕ PODXS 070 Club Valentine Sprint 2000 local, Feb 14 to 0200 local, Feb 15

⊕ NAQCC Straight Key/Bug Sprint 0130Z-0330Z, Feb 15

⊕ AGCW Semi-Automatic Key Evening 1900Z-2030Z, Feb 15

⊕ NCCC Sprint Ladder 0230Z-0300Z, Feb 17

⊕ ARRL Inter. DX Contest, CW 0000Z, Feb 18 to 2400Z, Feb 19

⊕ Feld Hell Sprint 2000Z-2200Z, Feb 18

⊕ AWA Amplitude Modulation QSO Party 2300Z, Feb 18 to 2300Z, Feb 19

⊕ Run for the Bacon QRP Contest 0200Z-0400Z, Feb 20

⊕ SKCC Sprint 0000Z-0200Z, Feb 22

⊕ NCCC Sprint Ladder 0230Z-0300Z, Feb 24

⊕ CQ 160-Meter Contest, SSB 2200Z, Feb 24 to 2159Z, Feb 26

⊕ REF Contest, SSB 0600Z, Feb 25 to 1800Z, Feb 26

⊕ UBA DX Contest, CW 1300Z, Feb 25 to 1300Z, Feb 26

± North American QSO Party, RTTY 1800Z,
Feb 25 to 0600Z, Feb 26

± High Speed Club CW Contest 0900Z-1700Z,
Feb 26

SIX Meter Net

Thursday evening after 10 meter net on **50.125**
USB



PPRAA / Pikes Peak Ten Ten Thursday Evening Net

Please join us for the Thursday Night 10-meter net. We meet at 7:00 PM (Local) on or near **28.390** USB. The goal of the net is for Technicians through Extra class operators to enjoy a weekly on-the-air chat, and experiment with various transmission modes. The outcome of the net has been a great success. It gives new operators a better understanding of radios, filter usage, mic gain, transmission line..etc.

We give out 10-10 numbers!



A PDF version of the ARRL VE Manual is available from Mike WV7T.

Vanity callsign fees are now \$14.20

PPRAA FEBRUARY VE EXAM

February 11th, 2012

PPRAA VE session will be held at 9 am on Saturday, February 11th, 2011, at Colorado Technical University.

Directions to CTU are at the PPRAA website ppraa.org.

Applicants will need the following items at the session:

1. A valid PHOTO ID, driver's license preferred (if you do not have a valid photo ID, please call for alternative identification requirements).
2. Your SOCIAL SECURITY NUMBER (now required and includes children). Your SOCIAL SECURITY NUMBER or FRN (FCC Registration Number) if already licensed or previously obtained (required for ALL candidates, regardless of age).
3. Your ORIGINAL amateur radio license (if any) AND a PHOTOCOPY for the VE Team to keep.
4. The ORIGINAL of any relevant CSCEs you may have AND a PHOTOCOPY for the VE Team to keep.
5. Cash, Check or Money Order for \$14 (standard ARRL VE Fee).

Ditz and Bitz

For Sale or Wanted

Have something to sell or trying to find something or just want to see something get to a good home? Send it in to wv7t@arrl.net and see it in Dits and Bits.

WANTED

I need an 8 to 10 foot x 1.5 inch rotor mast for my tower install at my cabin.

Jim NØTUI
640-8503

Callsign Word Match
for February is **CONTEST**

Your article or picture could be here.

This is a club newsletter for club members, submit ham or club related interesting “stuff.”

ARRL Incoming QSL Bureaus

www.arrl.org/incoming-qsl-service

ARRL Outgoing QSL Bureaus

www.arrl.org/outgoing-qsl-service

Do you have a great QSL or Certificate? Send WV7T a copy and share it with club members in Zero Beat.

PPRAA January Club Meeting Minutes

11 January 2012

Call to Order – 7:10 pm

Introductions (Around the room) – What have you done in the past month in Amateur Radio? What was your favorite hobby?

Silent Keys - Gloria Buckhouse, KBØVUX

Approval of the November club meeting minutes – Dan WØRO moved to approve, Tom WØTOM seconded. Club approved the minutes as published.

Current Events

- **Meeting location: Any ideas?** - Contact a Board member with ideas
- **Malpelo Island Expedition** – <http://hk0na.com/hk0na-reconnaissance-trip-oct-2330/>. DXpedition to Malpelo anytime soon; a decision was made to extend the DXpedition to 16-17 days from the previous 12-14 day plan. The approximate dates of operations will be January 21, 2012 through February 5/6, 2012.
- **Tower take down?** Scheduling for the Spring. Talk to a board member if interested in helping
- **Open Positions** – We have some open positions, let a board member know if you are interested.
- **Classes** – Check Ø-Beat for dates and times. Extra classes are reported to be going well!
- **Club Station** – Storage shed should be moving to the station location soon. If you have any club assets in your possession or wish to help with the moving, let a board member know.

Committee Reports

- **Treasurer's Report** - \$9260.96. We have surpassed our initial goal for the Scholarship Fund. Now we need to gather \$30,000 to ensure its permanency.

Upcoming Events

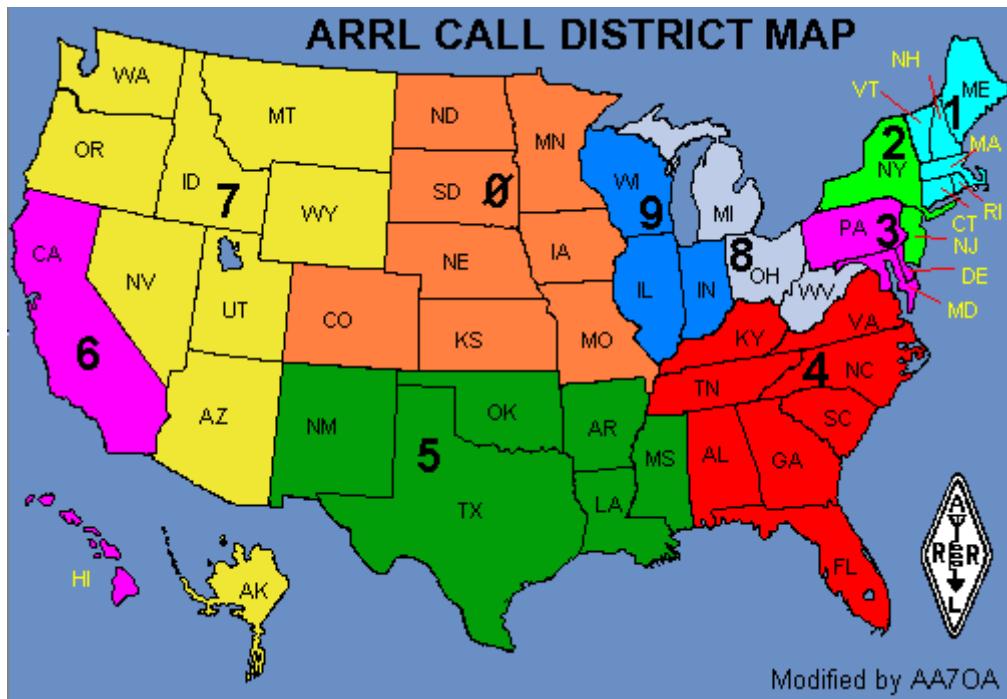
- **Megafest:** Locked in for July 14th. Tickets will be available for sale shortly! Contact Dan WØRO and Pam WØPRS if interested in buying or help selling. First planning meeting is scheduled for before the general meeting on February 8th at 6pm
- **Spring Tech Fest** – Tentatively scheduled for April 28th Any location recommendations welcome, please contact a board member about locations or if you wish to host a class
- **Summer Camping Event** – Looking for location and weekend suggestions. Contact a board member with your suggestions

Ham Breakfast, Schnitzel Fritz, 4037 Tutt Boulevard, Saturday, 4 February 2012

Thursday night net: Every Thursday at 28.390.

Program

NEXT MEETING: WEDNESDAY, 8 FEBRUARY 2012. LOCATION: TBD



PPRAA Recognition Program

- 1) Starting date for all activities September 1st, 2011
- 2) All contacts have to be made after September 1st, 2011
- 3) Applicant must be a paid member of the Pikes Peak Radio Amateur Association
- 4) All submissions will be sent to the Program Administrator (WV7T)
- 5) All submissions will be in the form of log extracts or as specified
- 6) Participate from any US state or possession location
- 7) Forms/submission sheets (excel forms) provided by program administrator
- 8) Nets are okay
- 9) Schedules are okay
- 10) Operate as single or multiple operator
- 11) None of the activities has a time restriction

Program administrator is Mike Anderson, WV7T.
 wv7t@arrl.net

Refer all questions to him.
 Endorsable in 10 grid steps

First Contact Award
 Recognition for a new ham's first radio contact
 Submission: Log extract

Islands on the Air IOTA
 Based on the rules of the RSGBIOTA
 Basic award: for first 10 islands worked
 Submission: log extract
 Endorsable in 5 island steps

Portable Operating/Rving

Basic award: operate 2 times away from your home location

Submission: Report on each outing.

Endorsable in 5 additional outing steps

Lighthouses

Work Lighthouse/Lightships

Basic award: work 5 Lighthouse/lightship stations

Submission: log extract

Endorsable in 5 additional Lighthouse/Lightship contact steps

Classic Equipment

Basic award: using 2 different tube type radios make 1 contact with each

Submission: Description of radios and log extract of contacts

Endorsable for making 1 contact each using 2 more different tube radios

Work Special Event Stations

Basic award: for working 5 special event stations

Submission: log extract, Certificate, or QSL card

Endorsable in 5 additional special event station contact steps

Rag Chewing

Basic award: 5 Contacts lasting 30 minutes or more

Endorsable for 10 contacts longer than 30-60-90-120 minutes or longer

Any band and mode

Submission: log extract with start/stop times

SMIRK Six meter International Radio Klub

Work 6 SMIRK members and get your SMIRK number.

Work all US call areas

Including US possessions

Basic award: work 1 station in call areas 1-Ø

Only 1 contact in each area need

Submission: log extract

Endorsable in 5 call area steps

Word Match by Callsigns

Work stations whose suffix begins with the letters from a monthly word found in Zero Beat each month. Only letters no numbers

Submission: Log extracts

Endorsable in monthly steps

Mobile Operations

Operating from a vehicle in motion or stopped

Basic award: for 20 contacts any band/mode

Submission: log extract

Endorsable for each additional 50 contacts

Counting Hunting

In accordance with County Hunters rules

Basic award: for 25 counties

Submission: log extract

Endorsable in 25 county steps

Basic award: work 10 Ten Ten members and get 10 10 number
Submission: log extract
Endorsable for each additional 20 Ten-Ten numbers
VP number (from Ten Ten) for 500 Ten Ten contacts

WARC x 3

Basic award: make 10 contacts on 30m, 17m, and 12m
Submission: log extract
Endorsable in 20 contact steps on each band

Digital x 2

Work 10 stations using any 2 digital modes (20 contacts)
Basic award: for first 10 contacts on both modes
Submission: log extract
Endorsable in 50 contact (each mode) steps

QRP-HF

Work 25 stations any mode as an HF QRP station
Power: 5 watts CW, DIGITAL, FM; 10 watts PEP SSB
Basic award: for first 25 contacts any HF band/mode
Submission: log extract
Endorsable in additional 25 contacts steps

Homebrew Antennas

Make contacts with a homebrew (no commercial) antenna
Basic award: for first antenna and 5 contacts with it
Make and use as many different antennas as you can
Submission: Description of antenna - log extract of contacts
Endorsable in 2 antenna steps

SCOUTS

Active in teaching Scouts radio/electronics merit badge
Participate in 1 Jamboree on the Air
Submission: Report on scouts taught and Jamboree experience

Packet

Make packet keyboard to keyboard contacts
Basic award: 5 contacts
Digipeaters/nodes are okay
Submission: log extract
Endorsable in 5 additional contact steps

Satellite

Basic award: make 1 satellite contact
Submission: log extract
Endorsable in 2 additional contact steps

Amateur Fast Scan TV

Basic award: make 1 Amateur TV (fast scan) contact
Submission: log extract
Endorsable in 2 contact steps

SSTV

Basic award: make 1 contact on SSTV
Submission: log extract
Endorsable in 5 contact steps

Operating a Special Event Station

Basic award: Organize and operate 1 special event operation
Submission: Write report on what and how you did.
Endorsable for additional 2 operations

Propagation

Basic award: monitor propagation for 2 weeks
Send findings to the club via reflector daily
Endorsable for additional 2 weeks in 2 week increments

Beacon Monitoring

Using online beacon list log each beacon heard (HF/VHF)
Basic award for 10 beacons logged
Submissions: Log entries of beacons heard
Submission forms: From program administrator
Endorsable for additional 10 beacons logged

M	O	R	D	C	V	S	O	K	P	V	E	H	Q
G	R	U	U	G	H	C	T	I	W	S	G	A	S
F	E	T	H	E	R	N	E	T	R	F	A	A	R
I	E	G	P	A	K	D	M	W	L	A	T	T	E
M	A	K	C	L	F	C	Z	O	S	X	A	G	T
C	J	S	R	Z	G	R	P	C	N	H	S	R	N
O	U	I	O	L	E	P	P	V	D	I	T	F	I
M	W	D	U	E	Y	T	A	X	R	H	T	I	R
P	D	D	T	D	L	X	R	P	A	E	S	O	P
U	W	R	E	I	G	A	A	L	O	Z	X	Z	R
T	V	A	R	Q	N	M	L	B	B	L	M	P	G
E	Z	H	G	C	F	T	L	I	Y	H	I	W	X
R	L	A	I	R	E	S	E	I	E	T	Y	Q	C
J	P	R	T	T	F	R	L	O	K	G	W	G	K

cdrom	parallel
computer	printer
ethernet	router
floppy	sata
harddisk	serial
ide	switch
keyboard	vga
monitor	

Membership Application
Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521, Colorado Springs, Colorado 80935

Date: _____ New Membership Renewal

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Call: _____ License Class: _____ Telephone: _____

Are you an ARRL member? Yes No

Additional Name: _____ Call _____ Class _____ ARRL member? Yes No

Additional Name: _____ Call _____ Class _____ ARRL member? Yes No

Additional Name: _____ Call _____ Class _____ ARRL member? Yes No

E-mail address: _____

Full Member - \$15.00

Full Member over 65 - \$10.00

Free - VE Signature Required:

Family Membership (same address) - \$18.00

Family Membership (both over 65) - \$12.00

**Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
Colorado Springs, CO 80935-6521 USA**

To: